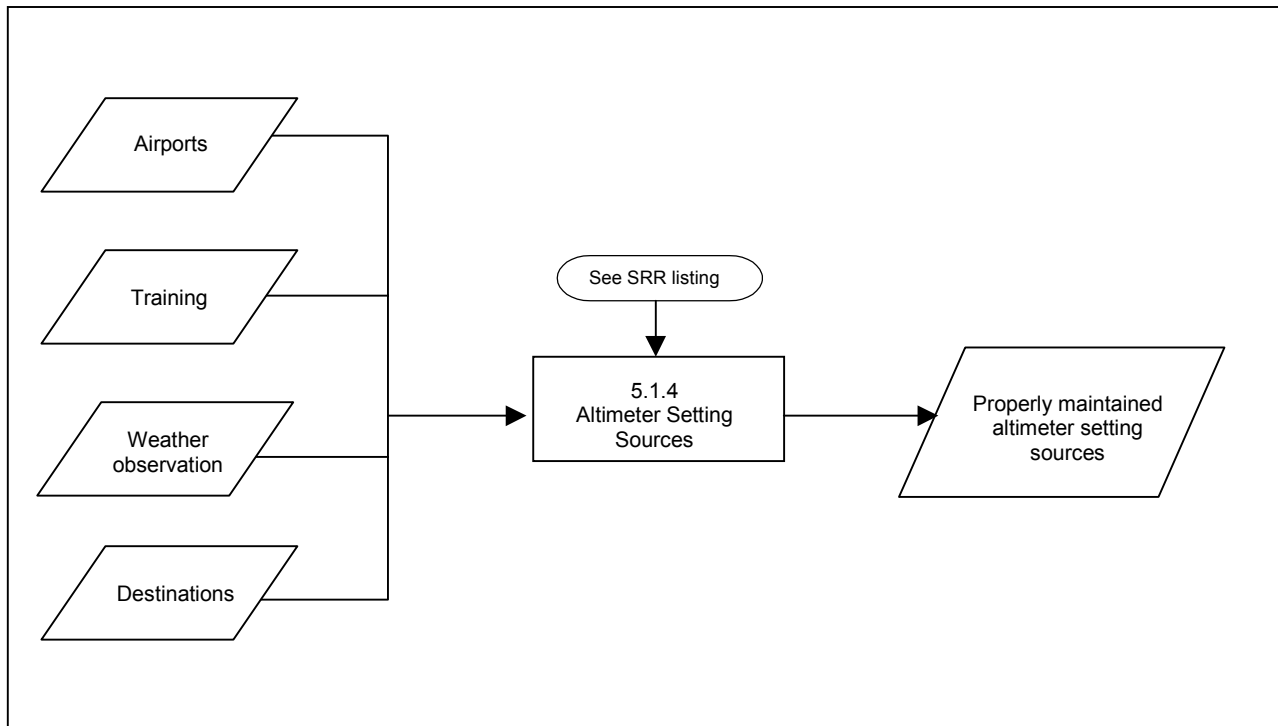


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ELEMENT SUMMARY INFORMATION

Element: 5.1.4 Altimeter Setting Sources

Purpose of this Element (Air Carrier's responsibility): To ensure properly staffed, maintained, and functioning altimeter setting sources.

Objective (FAA responsibility):

To determine if the air carrier's altimeter setting sources process includes safety attributes.

Inputs:

- Airports
- Training
- Weather Observation
- Destinations

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Output:

- Properly maintained altimeter setting sources

Performance Measures:

- The Air Carrier ensures training of personnel that maintain altimeter setting sources.
- The Air Carrier ensures training records are kept for personnel that maintain altimeter setting sources facilities.
- The Air Carrier ensures that altimeter setting sources are maintained to standards established in the Manual.

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SRR:

- 121.101 Weather reporting facilities.
- 121.119 Weather reporting facilities.

Other CFRs and/or FAA Guidance:

- 14 CFR Part 43, Appendix E, Altimeter System Test and Inspection
- 14 CFR 91.411, Altimeter system and altitude reporting equipment tests and inspections.
- Handbook 8300.10 Vol. 2, Chap. 239, Approve altimeter setting sources.
- Hand book 8300.10 Vol. 3, Chap. 145, Inspect altimeter setting sources.
- HBAW 92.05, Definition of "Sensitive" Altimeters
- AC 91.14, Altimeter Setting Sources

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SRR SPECIFIC INFORMATION

SRR	Intent	Inspectors
121.101	To ensure the Air Carrier had altimeter setting sources available for Domestic and Flag Operations.	<i>Certification: Airworthiness</i> <i>Surveillance: Airworthiness</i>
121.119	To require that Supplemental Operators use FAA approved altimeter setting sources.	<i>Certification: Airworthiness</i> <i>Surveillance: Airworthiness</i>

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5.1.4 Altimeter Setting Sources

SECTION 1 - RESPONSIBILITY ATTRIBUTE

Objective: To determine if there is a clearly identifiable, qualified, and knowledgeable person who is accountable for the quality of the altimeter setting sources process.

To meet this objective, the inspector will accomplish the following tasks:

1. Identify the person who is responsible for the quality of the Altimeter Setting Sources process.
2. Review the description in the Manual that delineates the duties and responsibilities of the person.
3. Evaluate the person's qualifications and work experience (or resume', if appropriate).
4. Review the appropriate organizational chart.
5. Discuss the Altimeter Setting Sources process with the person.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Is there a clearly identifiable person who is answerable for the quality of the Altimeter Setting Sources process?	<input type="checkbox"/> YES If yes, provide the name: <input type="checkbox"/> NO If no, explain:
2. Does the person understand the procedures associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
3. Does the person understand the controls associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Does the person understand the interfaces associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Does the person understand the process measurements associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
6. Is the responsibility of this position clearly documented in the air carrier's Manual(s)?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7. Are the qualification standards for this position clearly documented?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7a Are the qualification standards for this position appropriate for the duties that are assigned?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
8. Does the person meet the qualification standards?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
9. Does the person acknowledge that he/she has responsibility for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
10. Does the person know who has authority to establish and modify the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO

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5.1.4 Altimeter Setting Sources

SECTION 2 – AUTHORITY ATTRIBUTE

Objective: To determine if there is a clearly identifiable, qualified, and knowledgeable person with the authority to establish and modify the altimeter setting sources process.

To meet this objective, the inspector will accomplish the following tasks:

1. Identify the person who has the authority to establish or modify the Altimeter Setting Sources process.
2. Review the description in the Manual that delineates the duties and responsibilities of the person.
3. Evaluate the person's qualifications and work experience (or resume', if appropriate).
4. Review the appropriate organizational chart.
5. Discuss the Altimeter Setting Sources process with the person.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Is there a clearly identifiable person who has authority to establish and modify the air carrier's policies for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If yes, provide the name: <input type="checkbox"/> NO If no, explain:
2. Does the person understand the procedures associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
3. Does the person understand the controls associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Does the person understand the interfaces associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Does the person understand the process measurements associated with the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
6. Is the authority of this position clearly documented in the air carrier's Manual(s)?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7. Are the qualification standards for this position clearly documented?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7a Are the qualification standards for this position appropriate for the duties that are assigned?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
8. Does the person meet the qualification standards?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
9. Does the person acknowledge that he/she has authority for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
10. Does the individual know who has the responsibility for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
11. Are the procedures for delegation of authority clearly documented for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO

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5.1.4 Altimeter Setting Sources

SECTION 3 – PROCEDURES ATTRIBUTE

Objective: To determine if the air carrier has documented procedures for accomplishing the altimeter setting sources process.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Altimeter Setting Sources process to ensure that they contain who, what, where, when, and how.
2. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this SAI.
3. Discuss the Altimeter Setting Sources process with appropriate personnel to gain an understanding of the procedures.
4. Observe the Altimeter Setting Sources process to gain an understanding of the procedures.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Do written procedures exist to achieve the desired result of the Altimeter Setting Sources process:

1.1 Do written procedures establish standards for maintaining altimeter setting sources? [SRR 121.101, SRR 121.119]

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

1.2 Do written procedures establish training requirements for personnel maintaining altimeter setting sources?

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

2. Do the procedures identify: who, what, where, when and how?

☐ YES **If no, explain:**
☐ NO

3. Are the procedures in compliance with the CFR(s)?

☐ YES **If no, explain:**
☐ NO

4. Do the procedures conform to other written guidance (E.g., Operations Specifications, FAA Orders, Airworthiness Directives, Advisory Circulars, Handbook Bulletins, Directives, and Manufacturer's Recommendations)?

☐ YES **If no, explain:**
☐ NO

5. Does the air carrier have the resources to support the written procedures for the Altimeter Setting Sources process?

☐ YES **If no, explain:**
☐ NO

6. If alternate procedures exist for use during irregular conditions, do they achieve the same desired results as the primary procedures so that an equivalent level of safety is maintained? (E.g., a manual system used as a result of equipment failure).

☐ YES **If no, explain:**
☐ NO
☐ N/A, **No alternate procedures exist for this element**

7. Are the procedures published in different manuals relating to the Altimeter Setting Sources process consistent?

☐ YES **If no, explain:**
☐ NO

8. Does the air carrier have a documented method for assessing the impacts of procedural changes to the Altimeter Setting Sources process?

☐ YES **If no, explain:**
☐ NO

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5.1.4 Altimeter Setting Sources

SECTION 4 – CONTROL ATTRIBUTE

Objective: To determine if checks and restraints are designed into the altimeter setting sources process to ensure a desired result is achieved.

To meet this objective, the inspector will accomplish the following tasks:

1. the documented instructions and information related to the Altimeter Setting Sources process.
2. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this SAI
3. Discuss the Altimeter Setting Sources process with appropriate personnel to gain an understanding of the controls.
4. Observe the Altimeter Setting Sources process to gain an understanding of the controls.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Are the following checks and restraints built into the Altimeter Setting Sources process:

1.1 Are altimeter setting sources used by the Air Carrier maintained in accordance with the standards in the Manual? [SRR 121.101, SRR 121.119]

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

1.2 Does the Air Carrier require specified training for personnel maintaining altimeter setting sources?

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

1.3 Does the Air Carrier verify that altimeter setting sources meet certification specifications of Technical Standard Order C10b or Part 43, Appendix E?

☐ YES **If no or N/A, explain:**
☐ NO
☐ N/A

2. Do the checks and restraints ensure the desired result is achieved for the Altimeter Setting Sources process?

☐ YES **If no, explain:**
☐ NO

3. Does the air carrier have a documented method for assessing the impacts of any changes made to checks and restraints in the Altimeter Setting Sources process?

☐ YES **If no, explain:**
☐ NO

4. Does the air carrier have the resources to support the checks and restraints for the Altimeter Setting Sources process?

☐ YES **If no, explain:**
☐ NO

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5.1.4 Altimeter Setting Sources

SECTION 5 - PROCESS MEASUREMENT ATTRIBUTE

Objective: To determine if the air carrier measures and assesses the altimeter setting sources process, to identify and correct problems or potential problems.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Altimeter Setting Sources process.
2. Discuss the Altimeter Setting Sources process with appropriate personnel to gain an understanding of the process measures.
3. Observe the Altimeter Setting Sources process to gain an understanding of the process measures.

To meet this objective, the inspector will determine and record answers to the following questions:

1. <Deleted>	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
2. Does the air carrier's Altimeter Setting Sources process include the following process measurements?	
2.1 The Air Carrier audits training records for personnel that maintain altimeter setting sources.	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
2.2 The Air Carrier audits altimeter setting sources to ensure they are maintained in accordance with the standards established in its Manual.	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
3. Does the air carrier document their process measurement methods and results?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Are the air carrier's process measurement methods effective?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Does the air carrier use their process measurement results to improve their programs?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
6. Are the process measurement results accessible to the FAA?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
7. Does the organization that conducts the process measurement have direct access to the person with responsibility for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
8. Does the air carrier have the resources to support the process measurement for the Altimeter Setting Sources process?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO

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5.1.4 Altimeter Setting Sources

SECTION 6 – INTERFACES ATTRIBUTE

Objective: To determine if the air carrier identifies and manages the interactions between the altimeter setting sources process and the other element processes within the air carrier organization.

To meet this objective, the inspector will accomplish the following tasks:

1. Review the documented instructions and information related to the Altimeter Setting Sources process.
2. Discuss the Altimeter Setting Sources process with appropriate personnel to gain an understanding of the interfaces.
3. Observe the Altimeter Setting Sources process to gain an understanding of the interfaces.

To meet this objective, the inspector will determine and record answers to the following questions:

1. Are the following interfaces identified for the Altimeter Setting Sources process:

1.1 Outsource (Element 1.3.7)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.2 Dispatch Flight Release (Element 3.2.1)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.3 Weather Reporting Facilities/SAWRS Stations (Element 5.1.2)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.4 Station Facilities (Element 5.1.5)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.5 Director of Maintenance (Element 7.1.1)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.6 Director of Safety (Element 7.1.3)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.7 Director of Operations (Element 7.1.4)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.8 (Manual) Currency (Element 2.1.1)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A
1.9 Content Consistency Across Manuals (Element 2.1.2)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> No <input type="checkbox"/> N/A

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SECTION 6 – INTERFACES ATTRIBUTE

1.10 (Manual) Distribution (Element 2.1.3)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
1.11 (Manual) Availability (Element 2.1.4)	<input type="checkbox"/> YES If no or N/A, explain: <input type="checkbox"/> NO <input type="checkbox"/> N/A
2. List any additional interfaces identified:	
3. Are there written procedures for the use of air carrier personnel in the application of these interfaces?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
4. Are there controls to ensure that interfaces occur?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO
5. Are the interfaces between the Altimeter Setting Sources process and other processes treated consistently in the Manual(s)?	<input type="checkbox"/> YES If no, explain: <input type="checkbox"/> NO